| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| *UTs* | | | | |
| 26 | A&N Islands . . . . . | 0.00 | 0.01 | 0.01 |
| 27 | D&N Haveli . . . . . | 0 00 | 0 00 | 0.06 |
| 28 | Chandigarh . . . . . | 0.00 | 0.00 | 0.00 |
| 29 | Delhi . . . . . | 13.00 | 10.00 Delhi has now become State | 11.00 |
| 30 | Daman & Diu . . . . . | 0.18 | 0.16 | 0.30 |
| 31 | Lakshadweep . . . . . | 0.50 | 0.95 | 1.50 |
| 32 | Pondicherry . . . . . | 0.70 | 1.00 | 1.36 |
| | TOTAL UTs . . . . . | 14.38 | 12.13 | 14.23 |
| | TOTAL STATES & UT . . . . | 209.41 | 300.38 | 258.39 |
| | CENTRAL SECTOR . . . . . | 78.35 | 59.78 | 76.05 |
| | GRAND TOTAL . . . . . | 287.74 | 360.16 | 334.44 |

**Identification of Flood Prone Areas**

657. SHRI SANJAY DALMIA: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether the Central Government have identified the flood prone areas in the country;

(b) if so the details thereof; State| Union Territory-wise;

(c) whether any long term strategy has been evolved by the Central Government to solve the problem; and

(d) if so the details thereof;

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT AND IN THE MINISTRY OF WATER RESOURCES (SHRI P. K. THUNGON): (a) and (b) The Rashtriya Barh Ayog (1976—80) set up by the Central Government has assessed an area of 40 million hectares as flood prone in the country. The State-wise details are enclosed as statement (*See* below).

(c) and (d) Investigation, planning and execution of flood control schemes are primarily the responsibilities of the State Governments. The Central renders assistance in works that are technical, catalytical and promotional in nature. Rashtriya Barh gave 207 recommendations to check floods and their better management. The report of Rashtriya Barh Ayog has been forwarded to all State Governments for necessary action. The Ganga Flood control Board with its secretariat Ganga Flood Control Commission was established in 1972. The Ganga Flood Control Commission has prepared comprehensive master plans for flood management for all the 23 river systems of Ganga. Similarly, Brahmaputa Board established in 1981 has prepared comprehensive master plans for flood management in Brahmaputra and Barak basins. These master plans alongwith long term and short term recommendations have been sent to State Governments for formulating detailed schemes after carrying out ground surveys, investigations and taking up their implementations.

**Statement**

*Area liable to flood in India*

(Lakh ha.)

| Sl. No. | State | Area liable to floods | Sl. No. | State | Area liable to floods |
|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 13.9 | 14 | Meghalaya | 0.2 |
| 2 | Assam | 31.5 | 15 | Orissa | 1.0 |
| 3 | Bihar | 42.6 | 16 | Punjab | 37.0 |
| 4 | Delhi | 0.5 | 17 | Rajsthan | 32.6 |
| 5 | Gujarat | 13.9 | 18 | Tamilnadu | 4.5 |
| 6 | Haryana | 23.5 | 19 | Tripura | 3.3 |
| 7 | Himachal Pradesh | 2.3 | 20 | Uttar Pradesh | 73.36 |
| 8 | J & K | 0.8 | 21 | West Bengal | 26.5 |
| 9 | Karnataka | 0.2 | 22 | Pondicherry | 0.1 |
| 10 | Kerala | 8.7 | | | |
| 11 | Madhya Pradesh | 2.6 | | Total | 335.16 |
| 12 | Maharashtra | 2.8 | | | |
| 13 | Manipur | 0.8 | | Say 34 million ha. | |

**Total Flood Prone Areas in the Country:**

| | |
|---|---|
| (a) Flood Prone area in States | 34.0 million ha. |
| (b) Area protected in States till then | 10.0 million ha. |
| **Total:** | 44.0 million ha. |
| Area flooded due to failure of (—) protection works which might have been included in reported flooded area (assured) | 4.0 million ha. |
| Total Flood Prone area in the country. | 40.0 million ha. |

**Development of Water Turbine**

658. SHRI B. K. HARIPRASAD: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether Government are aware of the work done by one Uttar Pradesh farmer, Mangal Singh in developing a water turbine for lifting water from streams, named as 'Mangal Turbine;

(b) whether Government are also aware of the fact that Central Institute of Agricultural Engineering, Bhopal has tested and certified to the efficacy and adtptability of the device to rural conditions; and

(c) whether Government would take up this device for further development or improvement for widespread application in its irrigation programmes in rural areas?

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT AND IN THE MINISTRY OF WATER RESOURCES (SHRI P. K. THUNGON): (a) and (b) No, Sir.

(c) Government has no proposal to take up 'Mangal Turbine' for further development or improvement for widespread application in its irrigation programmes in rural areas.